

DIN EN 13249:2014-06 (E)

Geotextiles and geotextile-related products - Characteristics required for use in the construction of roads and other trafficked areas (excluding railways and asphalt inclusion)

| Contents | | Page |
|----------------------------|---|-------------|
| Foreword | | 4 |
| Introduction | | 5 |
| 1 | Scope | 6 |
| 2 | Normative references | 6 |
| 3 | Terms, definitions and abbreviations | 7 |
| 3.1 | Terms and definitions | 7 |
| 3.2 | Abbreviations | 8 |
| 4 | Required characteristics and corresponding methods of test | 8 |
| 4.1 | General | 8 |
| 4.2 | Selection of the appropriate standard in a specific application | 8 |
| 4.3 | Characteristics relevant to specific conditions of use | 10 |
| 4.3.1 | Stiffness at 2 %, 5 % and 10 % | 10 |
| 4.3.2 | Tensile strength of seams and joints | 10 |
| 4.3.3 | Static puncture | 10 |
| 4.3.4 | Friction characteristics | 10 |
| 4.3.5 | Tensile creep | 10 |
| 4.3.6 | Water permeability normal to the plane | 10 |
| 4.4 | Release of dangerous substances | 10 |
| 5 | Assessment and verification of constancy of performance (AVCP) | 11 |
| 5.1 | General | 11 |
| 5.2 | Presentation of characteristics | 11 |
| 5.3 | Product type determination (PTD) | 11 |
| 5.4 | Factory production control (FPC) | 12 |
| 5.5 | Verification of values | 12 |
| 5.6 | Initial inspection of factory and of FPC | 12 |
| 5.7 | Continuous surveillance of FPC | 13 |
| 6 | Marking | 13 |
| Annex A (normative) | Factory production control | 14 |
| A.1 | Factory production control scheme | 14 |
| A.1.1 | General | 14 |
| A.1.2 | Product design | 14 |
| A.1.3 | Production | 14 |
| A.1.4 | Finished products | 14 |
| A.1.5 | Provisions applicable to A.1.2, A.1.3 and A.1.4 (to be used where appropriate) | 15 |
| A.2 | Assessment of a factory production control (FPC) system | 16 |
| A.2.1 | General | 16 |
| A.2.2 | Checklist | 16 |
| A.2.3 | Test frequency | 19 |
| Annex B (normative) | Durability aspects | 21 |

| | | |
|--|---|-----------|
| B.1 | General | 21 |
| B.1.1 | Service life | 21 |
| B.1.2 | Initial and repeat testing of durability | 21 |
| B.1.3 | Use of rework material (RWM) | 22 |
| B.2 | Weathering (all products) | 22 |
| B.3 | Products used in non-reinforcing applications and with service lives up to 5 years | 22 |
| B.4 | Other applications and service lives up to 25 years, 50 years and 100 years | 23 |
| B.4.1 | General | 23 |
| B.4.2 | Tests for specific materials | 23 |
| Annex C (informative) Guidelines for the selection of the appropriate standard in a specific application | | 27 |
| Annex D (informative) Significant technical changes to the superseded standard | | 29 |
| Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation | | 30 |
| ZA.1 | Scope and relevant characteristics | 30 |
| ZA.2 | Procedure for AVCP of Geotextiles and geotextiles-related products for the use in the construction of roads and other trafficked areas | 33 |
| ZA.2.1 | Systems of AVCP | 33 |
| ZA.2.2 | Declaration of performance (DoP) | 36 |
| ZA.3 | CE marking and labelling | 39 |
| Bibliography | | 42 |